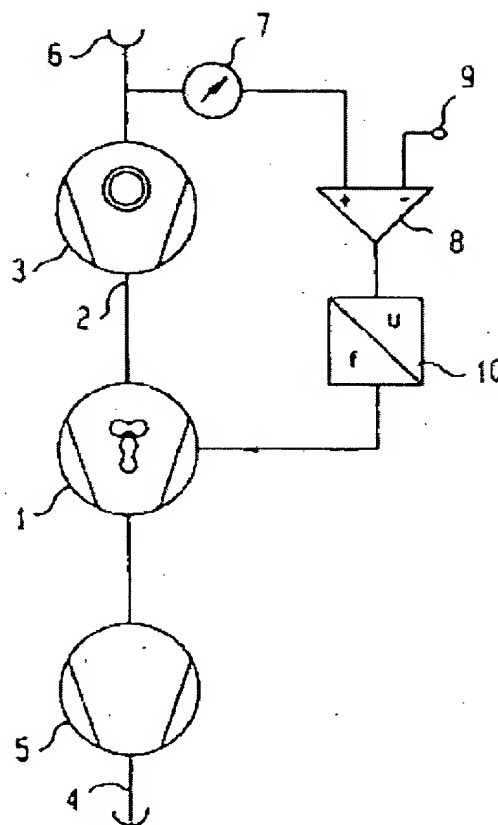


## Vacuum-pump device

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### Abstract of DE3828608

The invention relates to a vacuum-pump device having a molecular vacuum pump (3) and at least one Roots pump (1) arranged upstream of the vacuum pump. According to the invention, the Roots pump (1) is equipped with means (10) for controlling the rotational speed, which means are adjusted by a signal dependent upon the pressure on the suction side of the molecular vacuum pump (3). With such a device, by a simple change in the rotational speed of the Roots pump the suction capacity of the device can be changed. The invention is usable, for example, in plasma processes which are to proceed at a pressure of between  $10^{-3}$  and 1 mbar.



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